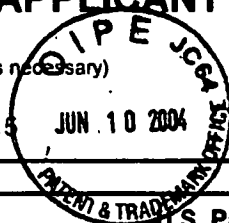


Substitute for form 1449/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 15	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002



U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
/MM/	A1	US- 659,926	10/16/1900	Jacobs	
	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
	A4	US- 1,037,999	09/10/1912	Saunders	
	A5	US- 1,107,011	08/11/1914	Allen	
	A6	US- 1,149,064	08/03/1915	Kalmus	
	A7	US- 1,161,620	11/23/1915	Coulter	
	A8	US- 1,192,709	07/25/1916	Tone	
	A9	US- 1,240,490	09/18/1917	Saunders et al.	
	A10	US- 1,247,337	11/20/1917	Saunders et al.	
	A11	US- 1,257,356	02/26/1918	Hutchins	
	A12	US- 1,263,708	04/23/1918	Saunders et al.	
	A13	US- 1,263,709	04/23/1918	Saunders et al.	
	A14	US- 1,263,710	04/23/1918	Saunders et al.	
	A15	US- 1,268,532	06/04/1918	Allen	
	A16	US- 1,268,533	06/04/1918	Allen	
	A17	US- 1,314,061	08/26/1919	Harrison	
	A18	US- 1,339,344	05/04/1920	Hutchins	
	A19	US- 1,402,714	01/03/1922	Brockbank	
	A20	US- 1,448,586	03/13/1923	Allen	
	A21	US- 1,910,444	05/23/1933	Nicholson	
	A22	US- 2,000,857	05/07/1935	Masin	
	A23	US- 2,424,645	07/29/1947	Baumann, Jr. et al.	
	A24	US- 2,618,567	11/18/1952	Comstock, III	
	A25	US- 2,958,593	11/01/1960	Hoover et al.	
	A26	US- 2,961,296	11/22/1960	Fenerty	
✓	A27	US- 3,041,156	06/26/1962	Rowse et al.	
/MM/	A28	US- 3,141,747	07/21/1964	Marshall	

*Examiner: /Michael Marcheschi/ (04/25/2007)	Date Considered:
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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 15	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
/MM/	A29	US- 3,174,871	03/23/1965	Geffcken et al.	
	A30	US- 3,181,939	05/04/1965	Marshall et al.	
	A31	US- 3,216,794	11/09/1965	Roschuk	
	A32	US- 3,377,660	04/16/1968	Marshall et al.	
	A33	US- 3,498,769	03/03/1970	Coes, Jr.	
	A34	US- 3,635,739	01/18/1972	Macdowell et al.	
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	A36	US- 3,726,621	04/10/1973	Cichy	
	A37	US- 3,781,172	12/25/1973	Pett et al.	
	A38	US- 3,792,553	02/19/1974	Schleifer et al.	
	A39	US- 3,859,407	01/07/1975	Blanding et al.	
	A40	US- 3,881,282	05/06/1975	Watson	
	A41	US- 3,891,408	06/24/1975	Rowse et al.	
	A42	US- 3,893,826	07/08/1975	Quinan et al.	
	A43	US- 3,916,584	11/04/1975	Howard et al.	
	A44	US- 3,940,276	02/24/1976	Wilson	
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	A46	US- 3,996,702	12/14/1976	Leahy	
	A47	US- 4,035,162	07/12/1977	Brothers et al.	
	A48	US- 4,049,397	09/20/1977	Bockstiegel et al.	
	A49	US- 4,059,417	11/22/1977	Ilmaier et al.	
	A50	US- 4,070,796	01/31/1978	Scott	
	A51	US- 4,073,096	02/14/1978	Ueltz et al.	
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	A54	US- 4,140,494	02/20/1979	Coes, Jr.	
✓	A55	US- 4,157,898	06/12/1979	Walker et al.	
/MM/	A56	US- 4,194,887	03/25/1980	Ueltz et al.	

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Substitute for form 1449/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 3 of 15	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002

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		Doc. Number (Kind Code if Known)			
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	A58	US- 4,261,706	04/14/1981	Blanding et al.	
	A59	US- 4,311,489	01/19/1982	Kressner	
	A60	US- 4,314,827	02/09/1982	Leitheiser et al.	
	A61	US- 4,341,533	07/27/1982	Daire et al.	
	A62	US- 4,405,545	09/20/1983	Septier et al.	
	A63	US- 4,415,510	11/15/1983	Richmond	
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	A66	US- 4,489,022	12/18/1984	Robyn et al.	
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	A68	US- 4,543,107	09/24/1985	Rue	
	A69	US- 4,584,279	04/22/1986	Grabowski et al.	
	A70	US- 4,588,419	05/13/1986	Caul et al.	
	A71	US- 4,595,663	06/17/1986	Krohn et al.	
	A72	US- 4,623,364	11/18/1986	Cottringer et al.	
	A73	US- 4,652,275	03/24/1987	Bloecher et al.	
	A74	US- 4,734,104	03/29/1988	Broberg	
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✓	A83	US- 4,780,268	10/25/1988	Papsi et al.	
/MM/	A84	US- 4,799,939	01/24/1989	Bloecher et al.	

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 4 of 15	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002

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		Doc. Number-(Kind Code if Known)			
/MM/	A85	US- 4,800,685	01/31/1989	Haynes, Jr.	
	A86	US- 4,881,951	11/21/1989	Wood et al.	
	A87	US- 4,898,587	02/06/1990	Mera	
	A88	US- 4,898,597	02/06/1990	Hay et al.	
	A89	US- 4,960,441	10/02/1990	Pellow et al.	
	A90	US- 4,997,461	03/05/1991	Markhoff-Matheny et al.	
	A91	US- 5,007,943	04/16/1991	Kelly et al.	
	A92	US- 5,009,675	04/23/1991	Kunz et al.	
	A93	US- 5,009,676	04/23/1991	Rue et al.	
	A94	US- 5,011,508	04/30/1991	Wald et al.	
	A95	US- 5,013,696	05/07/1991	Greskovich et al.	
	A96	US- 5,023,212	06/11/1991	Dubots et al.	
	A97	US- 5,038,453	08/13/1991	Kurita et al.	
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	A99	US- 5,085,671	02/04/1992	Martin et al.	
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/MM/	A112	US- 5,203,886	04/20/1993	Sheldon et al.	

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 5 of 15	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002

U.S. Patent Documents					
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		Doc. Number-(Kind Code if Known)			
/MM/	A113	US- 5,227,104	07/13/1993	Bauer	
	A114	US- 5,259,147	11/09/1993	Falz et al.	
	A115	US- 5,273,566	12/18/1993	Balcar et al.	
	A116	US- 5,282,875	02/01/1994	Wood et al.	
	A117	US- 5,312,789	05/17/1994	Wood	
	A118	US- 5,336,280	08/09/1994	Dubots et al.	
	A119	US- 5,352,254	10/04/1994	Celikkaya	
	A120	US- 5,366,523	11/22/1994	Rowenhorst et al.	
	A121	US- 5,372,620	12/13/1994	Rowse et al.	
	A122	US- 5,376,470	12/27/1994	Sprouse	
	A123	US- 5,378,251	01/03/1995	Culler et al.	
	A124	US- 5,395,407	03/07/1995	Cottringer et al.	
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	A126	US- 5,417,726	05/23/1995	Stout et al.	
	A127	US- 5,427,595	06/27/1995	Pihl et al.	
	A128	US- 5,429,647	07/04/1995	Larmie	
	A129	US- 5,431,704	07/11/1995	Tamamaki et al.	
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	A133	US- 5,498,269	03/12/1996	Larmie	
	A134	US- 5,520,711	05/28/1996	Helmin	
	A135	US- 5,547,479	08/20/1996	Conwell et al.	
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	A138	US- 5,593,467	01/14/1997	Monroe	
✓	A139	US- 5,605,870	02/25/1997	Strom-Olsen et al.	
/MM/	A140	US- 5,609,706	03/11/1997	Benedict et al.	

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 6 of 15	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002

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		Doc. Number-(Kind Code if Known)			
/MM/	A141	US- 5,641,469	06/24/1997	Garg et al.	
	A142	US- 5,651,925	07/29/1997	Ashley et al.	
	A143	US- 5,653,775	08/05/1997	Plovnick et al.	
	A144	US- 5,665,127	09/09/1997	Moltgen et al.	
	A145	US- 5,679,067	10/21/1997	Johnson et al.	
	A146	US- 5,725,162	03/10/1998	Garg et al.	
	A147	US- 5,738,696	04/14/1998	Wu et al.	
	A148	US- 5,782,940	07/21/1998	Jayan et al.	
	A149	US- 5,847,865	12/08/1998	Gopinath et al.	
	A150	US- 5,863,308	01/26/1999	Qi et al.	
	A151	US- 5,876,470	03/02/1999	Abrahamson	
	A152	US- 5,902,763	05/11/1999	Waku et al.	
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	A154	US- 5,952,256	09/14/1999	Morishita et al.	
	A155	US- 5,954,844	09/21/1999	Law et al.	
	A156	US- 5,961,674	10/05/1999	Gagliardi et al.	
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	A160	US- 6,054,093	04/04/2000	Zheng	
	A161	US- 6,123,743	09/26/2000	Carman et al.	
	A162	US- 6,254,981	07/03/2001	Castle	
	A163	US- 6,451,077	09/17/2002	Rosenflanz	
	A164	US- 6,454,822	09/24/2002	Rosenflanz	
	A165	US- 6,458,731	10/01/2002	Rosenflanz	
	A166	US- 6,469,825	10/22/2002	Digonnet et al.	
✓	A167	US- 6,482,758	11/19/2002	Weber et al.	
/MM/	A168	US- 6,484,539 B1	11/26/2002	Nordine et al.	

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 7 of 15	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
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		Doc. Number-(Kind Code if Known)			
/MM/	A169	US- 6,490,081 B1	12/03/2002	Feillens et al.	
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	A171	US- 6,582,488	06/24/2003	Rosenflanz	
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	A173	US- 6,589,305	07/08/2003	Rosenflanz	
	A174	US- 6,592,640	07/15/2003	Rosenflanz et al.	
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	A176	US- 6,607,570	08/19/2003	Rosenflanz et al.	
	A177	US- 6,620,214	09/16/2003	McArdle et al.	
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	A180	US- 6,706,083	03/16/2004	Rosenflanz	
	A181	US- Re 31,128	01/18/1983	Walker et al.	
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	A183	US- 02-0066233-A1	06/06/2002	McArdle et al.	
	A184	US- 02-0160694-A1	10/31/2002	Wood et al.	
	A185	US- 03-0110706-A1	06/19/2003	Rosenflanz	
	A186	US- 03-0110707-A1	06/19/2003	Rosenflanz et al.	
	A187	US- 03-0110708-A1	06/19/2003	Rosenflanz	
	A188	US- 03-0110709-A1	06/19/2003	Rosenflanz et al.	
	A189	US- 03-0115805-A1	06/25/2003	Rosenflanz et al.	
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V	A194	US- 04-0020245-A1	02/05/2004	Rosenflanz et al.	
/MM/	A195	US- 04-0023078-A1	02/05/2004	Rosenflanz et al.	

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 8 of 15	Application Number	10740262
	Filing Date	December 18, 2003
	First Named Inventor	Rosenflanz, Anatoly Z.
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Foreign Patent Documents							
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		Ctry. Code	Number-KindCode (if known)				
/MM/	B1	AT	333146 ✓	10/11/1976			X
	B2	DD	134 638 A ✓	03/14/1979			X
	B3	DE	20 34 011 ✓	07/09/1970			X
	B4	EP	0 200 487 ✓	11/05/1986			
	B5	EP	0 291 029 A1 ✓	11/17/1988			
	B6	EP	0 291 029 B2 ✓	11/27/1996			
	B7	EP	0 408 771 A1 ✓	01/23/1991			
	B8	EP	0 469 271 ✓	02/05/1992			
	B9	EP	0 480 678 A1 ✓	04/15/1992			
	B10	EP	0 494 638 ✓	07/15/1992			
	B11	EP	0 495 536 A2 ✓	07/22/1992			
	B12	EP	0 579 281 A1 ✓	01/19/1994			
	B13	EP	0 601 453 A2 ✓	06/15/1994			X
	B14	EP	0 647 601 A1 ✓	04/12/1995			
	B15	EP	0 709 347 ✓	05/01/1996			
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	B17	FR	1547 989 ✓	10/21/1968			X
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	B19	GB	1 121 875 ✓	07/31/1968			
	B20	GB	1 260 933 A ✓	01/19/1972			
	B21	JP	200045128A ✓	02/15/2000			X Machine
	B22	JP	200045129A ✓	02/15/2000			X Machine
✓	B23	JP	06 040765A ✓	2/15/1994			X Machine
/MM/	B24	JP	59 22 7726A ✓	12/21/1984			X Machine

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	B26	Hei	11-189926 ✓	07/13/1999			X Machine
	B27	Hei	4-119941 ✓	04/21/1992			X
	B28	S	63-156024 ✓	06/29/1988			X
	B29	S	63-303821	12/28/1988			X
	B30	WO	94/14722 ✓	07/07/1994			
	B31	WO	97/16385 ✓	05/09/1997			
	B32	WO	97/25284 ✓	07/19/1997			
	B33	WO	00/34201 ✓	06/15/2000			X
	B34	WO	01/16047 A2 ✓	03/08/2001			
	B35	WO	01/23321 A1 ✓	04/05/2001			
	B36	WO	01/23323 A1 /	04/05/2001			
	B37	WO	01/27046 A1 ✓	04/19/2001			
	B38	WO	01/56946 A ✓	08/09/2001			
	B39	WO	01/56947 A ✓	08/09/2001			
	B40	WO	01/56949 A -	08/09/2001			
	B41	WO	01/56950 A ✓	08/09/2001			
✓	B42	WO	02/08146 A ✓	01/31/2002			
/MM/	B43	SU	1455569 ✓	10/04/1996			X

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Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
/MM/	C1	Aguilar, E.A., "Processing and crystallization of rapidly solidified Al ₂ O ₃ -Y ₂ O ₃ fibres", British Ceramic Transactions, 2000, Vol. 99, No. 6, pp. 256-259.
/MM/	C2	Brewer, Luke N. et al., "Interface modification for increased fracture toughness in reaction-formed yttrium aluminum garnet/alumina eutectic composites," 1999, Vol. 14, No. 10, pp. 3907-3912.
/MM/	C3	Brockway et al. "Rapid Solidification of Ceramics a Technology Assessment", <u>Metals and Ceramics Information Center</u> , MCIC Report, January 1984 MCIC 84-49

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/MM/	C4	Chen, Zan-Hwey et al., "Microstructures of laser-treated Al ₂ O ₃ -ZrO ₂ -CeO ₂ composites," <u>Materials Science & Engineering A (Structural Materials: Properties, Microstructure and Processing)</u> , 1995, Vol. A196, No. 1-2, pp. 253-260.
	C5	"China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals, August, 1997, 1 page.
	C6	"China's Rare Earth Export Quota Set at 45,000 Tons", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Asia Pulse, 1/9/01, 1 page.
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	C8	"China Rare Earth Information", China Rare Earth Information Center, Vol. 6, No. 4, August 2000, 3 pages.
	C9	Coutures et al., "PRODUCTION AND STUDIES OF ALUMINA BASED REFRACTORY GLASS," <u>Mat. Res. Bull.</u> , Vol. 10, No. 6, 1975, pp 539-546.
	C10	Dialog © file 319: Chem Bus NewsBase © 2001 Royal Soc Chemistry. Abstract for "China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals n 359, p. 10.
	C11	"ELEMENTS: China to Impose Quotas on Rare Earth Exports", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 2/4/99, 1 page.
	C12	Figs. 311, 346, 350, 354-56, 373, and 716, <u>Phase Diagrams For Ceramists</u> , The American Ceramic Society, 1964, pp. 122, 136, 138, 140, 144, 248.
	C13	Figs. 2340-44, 2363, 2370, 2374-75, 2382-83, 2385, 2387, 2390, and 2392, <u>Phase Diagrams For Ceramists, 1969 Supplement</u> , The American Ceramic Society, 1969, pp. 95-6, 100, 102-03, 105-08.
	C14	Figs. 4366-71, 4377-78, 4404-05, 4417, 4426, 4430, 4433, 4437, 4440, 4444, 4457, 4572, and 4602, <u>Phase Diagrams For Ceramists, 1975 Supplement</u> , The American Ceramic Society, 1975, pp. 130-32, 135-36, 147, 152, 157, 159-60, 163-64, 166, 172-73, 238, 257.
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	C16	Fig. 6464, <u>Phase Diagrams For Ceramists, Vol. VI</u> , The American Ceramic Society, 1981, p. 162.
	C17	Figs. 9262, and 9264, <u>Phase Diagrams For Ceramists, Vol. XI, Oxides</u> , The American Ceramic Society, 1995, pp. 105-06.
	C18	Harris et al., "DURABLE 3—5 μm TRANSMITTING INFRARED WINDOW MATERIALS," <u>Infrared Physics & Technology</u> 39, 1998, pp. 185-201
✓	C19	Hedrick, J., "Rare-Earth Metals", pp. 61.1-61.6, 1997.
/MM/	C20	Hedrick, J., "Rare-Earth Metal Prices in the USA ca. 1960 to 1994", <u>J. Alloys and Compounds</u> , 1997, pp. 471-81.

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/MM/	C21	Hrovat et al., "Preliminary data on subsolidus phase equilibria in the La_2O_3 - Al_2O_3 - Mn_2O_3 and La_2O_3 - Al_2O_3 - Fe_2O_3 systems", <u>Journal of Materials Science Letters</u> , Vol. 14, 1995, pp. 265-267.
	C22	Imakoa, Minoru et al., "Refractive Index and Abbe's Number of Glass of Lanthanum Borate System", <u>Journal Ceramic Assoc. Japan</u> , Vol. 70, No. 5, (1962), pp. 115
	C23	"In Asia", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; <u>Engineering & Mining Journal</u> , 2/28/00, 4 pages.
	C24	Isobe, T. et al., "Microstructure and Thermal Stability of $\text{Al}_2\text{O}_3/\text{Y}_3\text{Al}_5\text{O}_{12}$ (YAG) Eutectic Composite Prepared by an Arc Discharge Method", <u>J. Ceram. Soc. Jap.</u> , 109, [1], 2001, pp. 66-70, Abstract in English.
	C25	Kingery, W.D., <u>INTRODUCTION TO CERAMICS</u> , Second Edition, Chpt. III subchapter 8.8, <u>Glass-Ceramic Materials</u> , pp. 368-374, (1976).
	C26	Kokubo, Tadashi et al., "Infrared Transmission of $(\text{R}_2\text{O}$ or $\text{R}'\text{O})-(\text{TiO}_2, \text{Nb}_2\text{O}_5$ or $\text{Ta}_2\text{O}_5)-\text{Al}_2\text{O}_3$ Glasses", <u>Journal of Non-Crystalline Solids</u> 22 (1970) 125-134
	C27	Kondrashov V I et al., "Opacified Glass "Decorit" Synthesis Directions", <u>Steklo I Keramika</u> 2001, No. 1, pages 8-11. Title translated by Keramika as "Aspects of Synthesis of Decorite Opacified Glass".
	C28	Krell, Andreas et al., "Advances in the Grinding Efficiency of Sintered Alumina Abrasives," <u>Journal of the American Ceramic Society</u> , 1996, Vol. 79, No. 3, pp. 763-769
	C29	Krokhin et al., "Synthesis of Y-Al Garnet", <u>Glass and Ceramics</u> , Vol. 55, Nos. 5-6, 1998, pp. 151-152.
	C30	Lakiza et al., "The Liquidus Surface In The Al_2O_3 - ZrO_2 - Y_2O_3 Phase Diagram", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 33, No. 11-12, 1994, pp. 595-597.
	C31	Lakiza et al., "Methods Of Investigation Of Properties Of Powder Materials, Interactions In The Al_2O_3 - ZrO_2 - Y_2O_3 System", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 33, Nos. 9-10, 1994, pp. 486-490.
	C32	Lakiza et al., "Powder-Material Research Methods And Properties Polythermal Sections Of The Al_2O_3 - ZrO_2 - Y_2O_3 Phase Diagram", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 34, No. 11-12, 1995, pp. 655-659.
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✓	C36	McKittrick, Joanna, et al., "Non-stoichiometry and defect structures in rapidly solidified MgO - Al_2O_3 - ZrO_2 ternary eutectics," <u>Materials Science and Engineering A231</u> (1997) 90-97.
/MM/	C37	McMillan, P.W., <u>Glass-Ceramics</u> , Academic Press, Inc., 2 nd Edition (1979)

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/MM/	C38	"Phase Identification of $Al_2O_3/RE_3Al_5O_{12}$ and $Al_2O_3/REA10_3$ (RE = Sm-Lu, Y) Eutectics", J. Crystal Growth, 218, 2000, pp. 67-73.
	C39	"Prices: Minerals", Asian Ceramics & Glass, Jan. 2001, 2 pages.
	C40	"Rare Earths: An Industry Review and Market Outlook – Part 1", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 12/8/00, 2 pages.
	C41	"Rare Earth – Market Confusion Inevitable Due to China's Unstable Supply", Japan Chemical Week, Vol. 41, No. 2080, July 6, 2000, pp. 6-7.
	C42	"Rare Earth Prices and Market Outlook", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 5/27/99, 2 pages.
	C43	Rodriquez, Louise, "Rare Earths Prices Recover Despite China's Overcapacity", America Metal Market, Vol. 109, No. 14, Jan. 22, 2001, p. 13.
	C44	Shishido et al., " $Gd_3Al_5O_{12}$ Phase Obtained by Crystallization of Amorphous $Gd_2O_3 \cdot \frac{5}{3} Al_2O_3$," <u>Journal of the American Ceramic Society</u> , Vol. 61, No. 7-8, Jul.-Aug. 1978, pp. 373-74.
	C45	Stankus, S. V. et al., "Crystallization and Thermal Properties of Al_2O_3 - Y_2O_3 Melts", J. Crystal Growth, 167, 1996, pp. 165-70.
	C46	Stookey, S. D., "Ceramics Made by Nucleation of Glass-Comparison of Microstructure and Properties with Sintered Ceramics, The American Ceramic Society, (1992), pp. 1-4
	C47	Suzuki et al., "RAPID QUENCHING ON THE BINARY SYSTEMS OF HIGH TEMPERATURE OXIDES, "Mat. Res. Bull., Vol 9, 1974, pp. 745-54.
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	C50	Varshneya, Arun K., "Fundamentals of Inorganic Glasses", pp. 425-427 (1994).
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✓	C52	Volkova, I. Yu et al., Abstract for "Kinetics of Nonisothermal Sintering of Some Eutectic Oxide Compositions," 1986 (abstract from Database Chemabs 'Online' Chemical Abstracts Service, Columbus, Ohio, US).
/MM/	C53	Waku et al., "A ductile ceramic eutectic composite with high strength at 1,873 K", <u>Nature</u> , Vol. 389, September 1997, pp. 49-52.

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/MM/	C54	Waku, Yoshiharu, "A New Ceramic Eutectic Composite with High Strength at 1873 K", <u>Advanced Materials</u> , Vol. 10, No. 8, 1998, pp. 615-617.
	C55	Waku et al., "High-temperature strength and thermal stability of a unidirectionally solidified Al ₂ O ₃ /YAG eutectic composite", pp. 1217-1225
	C56	Waku et al., "Sapphire matrix composites reinforced with single crystal YAG phases", <u>Journal of Materials Science</u> , Vol. 31, 1996, pp. 4663-4670.
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	C58	Wang, S. et al., "Divorced Eutectic and Interface Characteristics in a Solidified YAG-Spinel Composite With Spinel-Rich Composition", <u>J. Mat. Sci.</u> , 35, 2000, pp. 2757-61.
	C59	Wang, Shuqiang et al., "Eutectic Precipitation of the Spinel Solid Solution-Yttrium Aluminum Garnet (YAG) System," <u>Journal of the American Ceramic Society</u> , 1998, Vol. 81, No. 1, pp. 263-265.
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	C61	Weber et al., "RARE EARTH OXIDE-ALUMINUM OXIDE GLASSES FOR MID-RANGE IR DEVICES," reference obtained in 2003, and believed to be based on a talk presented January 25, 2003 (See website http://www.spie.org/Conferences/Programs/03/pw/bios/index.cfm?fuseaction=4957 , pp. 1 and 4 of 6).
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✓	C67	Yang and Zhu, "Thermo-Mechanical Stability Of Directionally Solidified Al ₂ O ₃ -ZrO ₂ (Y ₂ O ₃) Eutectic Fibers", <u>Scripta Materialia</u> , Vol. 36, No. 8, 1997, pp. 961-965.
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/MM/	C69	U.S. Patent Application entitled "Fused $\text{Al}_2\text{O}_3\text{-Y}_2\text{O}_3\text{-ZrO}_2$ Eutectic Abrasive Particles, Abrasive Articles, And Methods Of Making And Using The Same", filed July 19, 2000, Rosenflanz having U.S. Serial No. 09/618,876 (Attorney Docket No. 55763US002). ✓
	C70	U.S. Patent Application entitled, "Method of Making Ceramic Articles", filed August 2, 2002, Rosenflanz having U.S. Serial No. 10/211,481 (Attorney Docket No. 56938US004). ✓
	C71	U.S. Patent Application entitled "Methods of Making Ceramic Particles," filed February 5, 2003, Rosenflanz, having a U.S. Serial No. 10/358772 (Attorney Docket No. 58257US002) ✓
	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002) ✓
	C73	U.S. Patent Application entitled "Ceramics and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358910 (Attorney Docket No. 58325US002) ✓
	C74	U.S. Patent Application entitled " $\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3\text{-Y}_2\text{O}_3\text{-MgO}$ Ceramics, and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358855 (Attorney Docket No. 58352US002) ✓
	C75	U.S. Application entitled "Use of Ceramics In Dental And Orthodontic Applications", filed February 5, 2003, having U.S. Serial No. 10/358,856 (Attorney Docket No. 58350US002) ✓
	C76	U.S. Patent Application entitled "Methods of Making $\text{Al}_2\text{O}_3\text{-SiO}_2$ Ceramics", filed February 5, 2003, Celikkaya et al. having a U.S. Serial No. 10/358,708 (Attorney Docket No. 58353US002) ✓
	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002) ✓
	C78	U.S. Application entitled " Methods of Making Ceramic Particles", filed September 5, 2003, having U.S. Serial No. 10/655729 (Attorney Docket No. 58790US002) ✓
	C79	U.S. Application entitled "Methods of Making Ceramics Comprising Al_2O_3 , REO, ZrO_2 and/or HfO_2 and Nb_2O_5 and/or Ta_2O_5 ", filed September 18, 2003, having U.S. Serial No. 10/666615 (Attorney Docket No. 58354US002) ✓
	C80	U.S. Application entitled "Ceramics Comprising Al_2O_3 , REO, ZrO_2 and/or HfO_2 , and Nb_2O_5 and/or Ta_2O_5 , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666212 (Attorney Docket No. 58807US002) ✓
	C81	U.S. Application entitled "Ceramics Comprising Al_2O_3 , Y_2O_3 , ZrO_2 and/or HfO_2 , and Nb_2O_5 and/or Ta_2O_5 , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666,098 (Attorney Docket No. 58961US002) ✓
✓	C82	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739420 (Attorney Docket No. 58794US002) ✓
/MM/	C83	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739624 (Attorney Docket No. 58796US002) ✓

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/MM/	C84	U.S. Application entitled "Transparent Fused Crystalline Ceramics, And Method of Making The Same", filed December 18, 2003, having U.S. Serial No. 10/739439 (Attorney Docket No. 58797US002) ✓
/MM/	C85	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739440 (Attorney Docket No. 59437US002)
/MM/	C86	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/740096 (Attorney Docket No. 59438US002)
/MM/	C87	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/73944 (Attorney Docket No. 59439US002)
/MM/	C88	U.S. Application entitled "Powder Feeding Method and Apparatus", filed December 18, 2003, having U. S. Serial No. 10/739233 (Attorney Docket No. 59440US002)
/MM/	C89	U.S. Application entitled "Agglomerate Abrasive Grain and a Method of Making the Same", filed February 11, 2004, having U.S. Serial No. 10/776156 (Attorney Docket No. 55304US016)

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Page 1 of 2

Application Number	10/740262
Filing Date	December 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	
Attorney Case Number	58716US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code If Known)			
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	A2	US- 4,316,964	02/23/1982	Lange	
	A3	US- 4,757,036	07/12/1988	Kaar et al.	
	A4	US- 5,248,318 A	09/28/1993	Tamamaki et al.	
	A5	US- 5,413,974 A	05/09/1995	Yokoyama et al.	
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	B3	EP	0 236 507	09/16/1987			
	B4	EP	0 666 238 B1	08/09/1995			
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10/740262

Filing Date

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First Named Inventor

Anderson, Thomas J.

Art Unit

1755

Examiner Name

Attorney Case Number

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/MM/	B11	JP	61099665	05/17/1986			Abstract
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/MM/	B13	JP	06-171974	06/21/1994			X
/MM/	B14	JP	62-003041	01/09/1987			X
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	C2	Aguilar et al, "Melt Extraction Processing of Structural Y ₂ O ₃ -Al ₂ O ₃ Fibers", J. Eur. Ceram. Soc. 20 1091-1098 (2000)	
	C3	Gandhi, A.S. and Jarayam, V., "Pressure Consolidation of Amorphous ZrO ₂ -Al ₂ O ₃ by Plastic Deformation of Powder Particles", Acta Materiala, 50 (2002), 2137-2149	
	C4	Gonzalez, Eduardo J., et al., "High Pressure Compaction and Sintering of Nano-Size γ-Al ₂ O ₃ Powder", Materials and Manufacturing Processes Vol. 11, No. 6, 951-967, 1996	
	C5	Jantzen, C.M., Krepski, R.P., & Herman, H., "Ultra-Rapid Quenching of Laser-Method Binary and Unary Oxides", Mat. Res. Bull. 15, 1313-1326 (1980)	
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	C8	Schmucker, M, et al., "Constitution of Mullite Glasses Produced by Ultra-Rapid Quenching of Plasma-Sprayed Melts", Journal of the European Ceramic Society 15 (1995) 1201-1205	
	C9	Sarjeant, P.T. & Roy, R., in <i>Reactivity of Solids</i> (ed. J. W. Mitchell, R.C., DeVries, R.W., Roberts and P. Cannon) 725-33 (John Wiley & Sons, Inc., New York 1969)	
	C10	Takamori, T., & Roy, R., "Rapid Crystallization of SiO ₂ -Al ₂ O ₃ Glasses", Journal of American Society, Vol. 56, No. 12, December 1973.	
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STATEMENT BY APPLICANT**

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Page 1 of 1

Application Number**10/740262****Filing Date****December 18, 2003****First Named Inventor****Anderson, Thomas J.****Art Unit****1755****Examiner Name****Attorney Case Number****58716US002****U.S. Patent Documents**

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/MM/	A3	US- 5,747,397	05/05/1998	McPherson et al.	
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		Ctry. Code	Number-KindCode (if known)				
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Page 1 of 1

Application Number	10740262
Filing Date	December 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	
Attorney Case Number	58716US002

U.S. Patent Documents						
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/MM/	B2	FR	2538370	06/26/1984			X

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PAGE 4/42 * RCVD AT 12/7/2004 5:06:46 PM [Eastern Standard Time] * SVR:USPTO-EFXXF-1/1 * DNIS:8729306 * CSID:612 736 7586 * DURATION (mm:ss):09:58 (ent)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Page 1 of 1

Application Number	10740262
Filing Date	September 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
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Attorney Case Number	58716US002

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 1	Application Number	10/740262
	Filing Date	September 18, 2003
	First Named Inventor	Anderson, Thomas J.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002

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**INFORMATION DISCLOSURE
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Page 1 of 1

Application Number	10/740262
Filing Date	December 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	Unknown
Attorney Case Number	58718US002

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